President HR-2600 frequency range modification

The CPU in this model is not modifiable for CB use, but it can be fooled to by replacing a XTAL and adjusting the VCO.

To lower the range from 28.000-29.699 to 26.000-27.699 MHz, just replace X302 with a 20.000 MHz XTAL.

The display will still show the 10 m band i.e. 28.000 but the actual frequency is now 2 MHz lower, i.e. 26.000. This display offset may be a bit inconvenient, but is impossible to remedy unless the CPU is replaced by an unlocked and more frequency agile CPU.

The HR-2600 VCO filter is optimized for the 10 m band and must be adjusted to accommodate the lower frequency range. To broadband the VCO, it’s also necessary to add a 220 pF capacitor across C26 on the CPU/PLL board.

**VCO adjustment**

Connect an oscilloscope to the output terminal of the VCO.
Adjust L310 for maximum at high band
Adjust L319 for maximum at low band

**NB!**

An unlocked CPU may be salvaged from a trashed Lincoln or similar. A great alternative was the “Chipswitch”, but that CPU replacement is no longer being manufactured.